WO 2004/060044

PCT/US2003/041770

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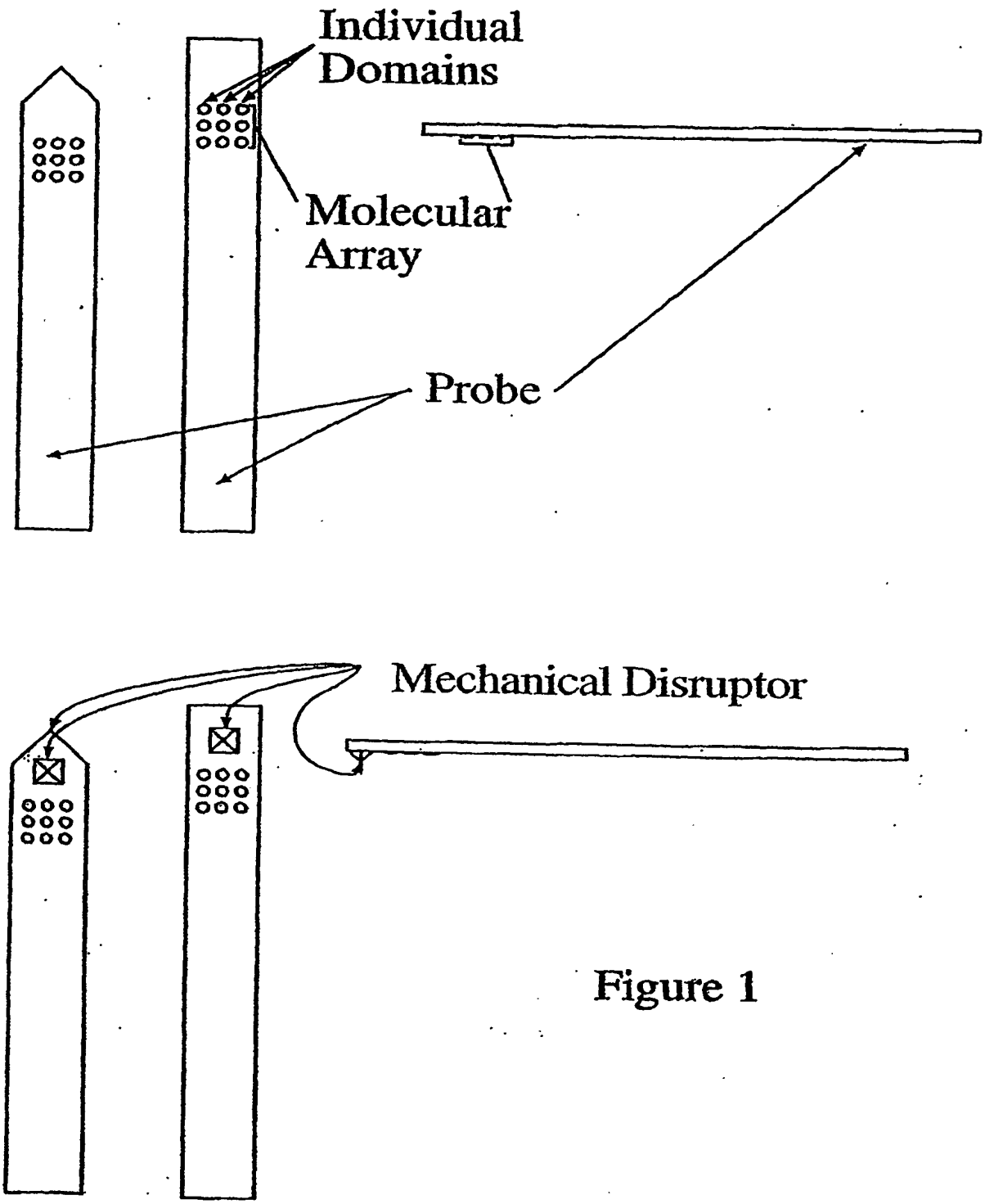

Figure 1

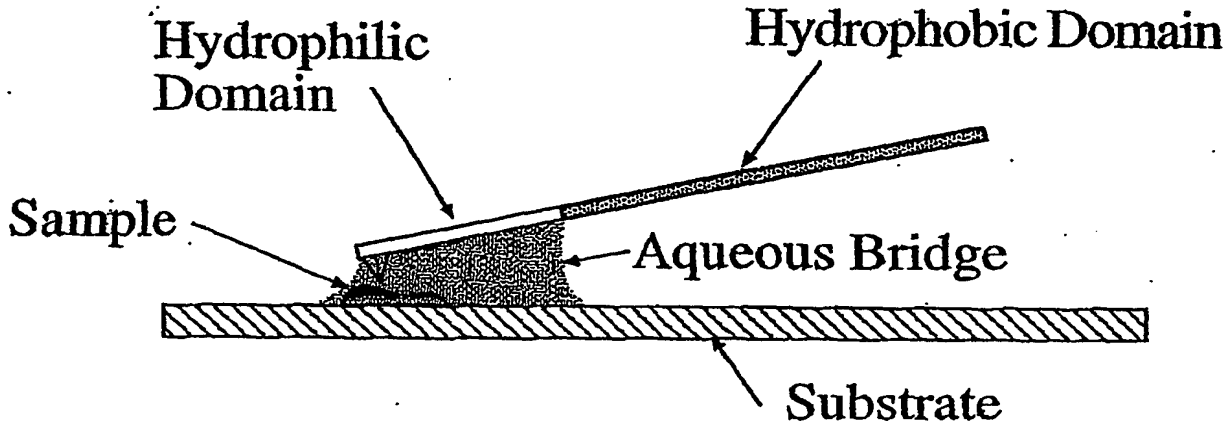
Hydrophilic Domain
Hydrophobic Domain
Sample
Aqueous Bridge
Substrate

Figure 2

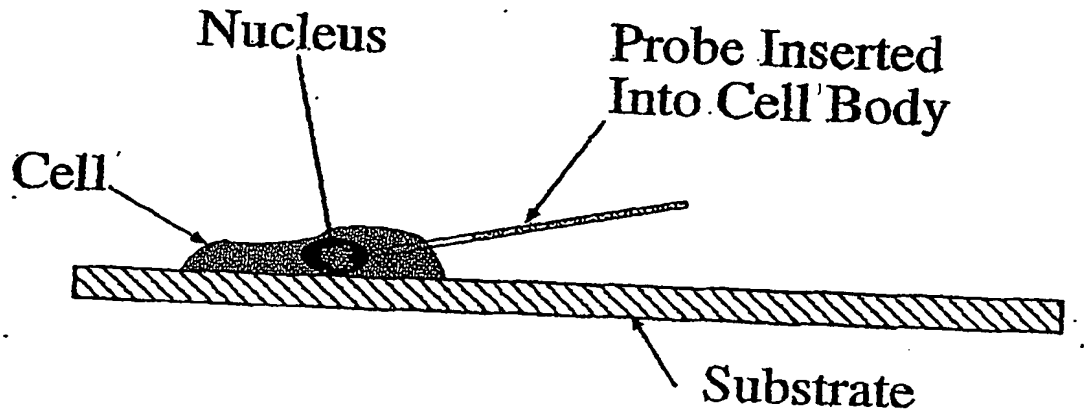

Figure 3

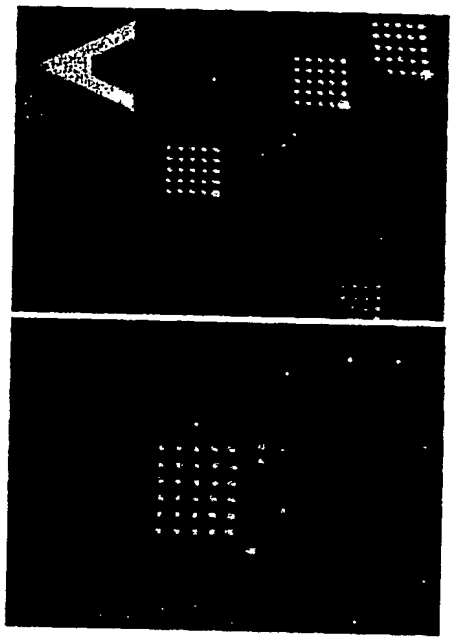

Figure 4. Antibodies printed on an AFM cantilever, then tagged with fluorescent secondary antibodies and visualized in a fluorescence microscope.

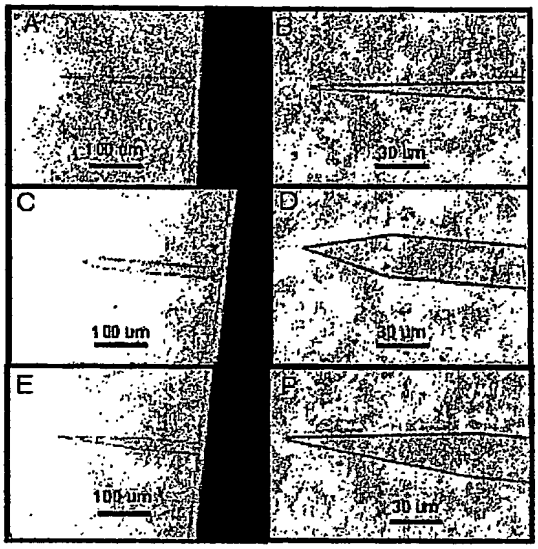

Figure 5. Brightfield images of microfabricated devices for practicing the invention. Key features of these devices is their size, on the same scale as a single cell, and their geometry, including sharp points or protrusions that act as cellular disruptors to facilitate penetration or disruption of cells or cellular components.

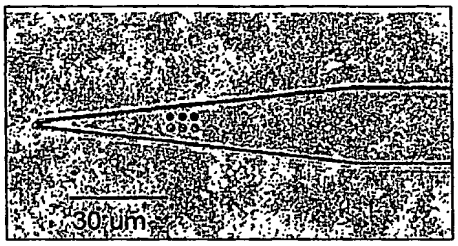

Figure 6. Two different antibody species printed on a device like that shown in Figure 5 in a 2 x 3 array.